

Abstract of the Disclosure

ELECTRONIC ENGINE SPEED CONTROLLER

5           An electronic engine speed control system is  
used on a work machine utilizing an engine with a  
governor control movable between a plurality of  
positions. The governor control is operated by an  
operator so that a desired engine speed may be  
10 selected for driving a plurality of wheels through a  
transmission. The transmission is specifically  
controlled to obtain a desired ground speed  
independent of the selected engine speed. The engine  
speed control system includes an electronic control  
15 module. An operator switch is connected to the  
control module and is movable to a set position which  
sends an input signal with a desired engine speed  
value corresponding to a selected engine speed to the  
control module. An engine sensor is connectable  
20 between the engine and the control module for sensing  
the speed of the engine and sending an input signal  
with an actual engine speed value to the control  
module. An actuator is connected between the control  
module and the governor control and responsive to a  
25 control signal from the control module for moving the  
governor control to any one of the plurality of  
positions. The control signal is delivered to the  
actuator as a function of the desired and actual  
values so that the engine speed is electronically set  
30 and maintained at the selected engine speed  
independent from the ground speed of the work machine.